IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Group Art Unit: 1774
Charles E. Romano	Examiner: Pamela R. Schwartz
INK RECORDING ELEMENT	I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Serial No. 10/068,824

Filed 06 February 2002

Christine Tolhurst
Christine Tolhurst

February 28, 2005
Date

Commissioner for Patents
P.O. Box 1450
Alexandria, VA. 22313-1450

SECOND DECLARATION UNDER RULE 132

1. I, Charles E. Romano, Jr., state that I am a resident and citizen of the United States. I obtained a Bachelor of Science degree in Chemistry from LeMoyne College in Syracuse, New York in 1982. I have been an employee of Eastman Kodak Company (hereinafter referred to as Kodak) since May of 1985. I have been assigned to work in product development and research of imaging processes, including areas relating to inkjet inks and inkjet elements.

2. I am one of the co-inventors of U.S. Serial No. US 10/068,824.

3. I prepared and coated the Examples described in the present Application in 2001. Copies of the original documentation relating to these Examples has been provided as Attachments C-1 to C-4.

4. I have prepared and coated a new set of experiments in January – February, 2005, duplicating the original experiments. These are included as Exampes 1-4 and Control Examples 1-6 in Attachments D-1 to D-3.

5.   A comparison of layer/melt composition OC-01 and OC-09 indicate that the overcoat layer compositions are identical, with the exception that a non-derivatized poly(vinyl alcohol) is used in the control, Control Example 5, while a derivatized poly(vinyl alcohol) is utilized in the inventive sample, Example 1.

6.   As previously stated, the surfactants used in the overcoat layer of Example 1 were added as coating aids, without which repellencies would occur in manufacturing, resulting in an unacceptable coating.

7.   As can be seen from Examples 1-4 in Attachment D-1, coated with surfactant, improvements in laminate adhesion are achieved over Control Examples 1-6, coated with surfactant, as are achieved by Examples 5-8 in Attachment D-1, coated without surfactant, over Control Examples 7-12, coated without surfactant. The presence or absence of surfactant affects the coating quality, not the laminate adhesion improvement.

8.   Copies of the original documentation relating to these new Examples has been provided as Attachments D-1 to D-3.

9.   I further declare that all statements made herein of my own knowledge are true and that the statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent resulting therefrom.

Date: 2-28-05   Charles E Romano Jr.
                                            Charles E. Romano, Jr.

Example 1

Attachment C-1

USSN 10/068,824

FORMULA CONVERSION PROGRAM - G/FT2

ENTER THE FOLLOWING REQUIRED MASTER DATA INFORMATION:
1. Solution Identity -> cell "D11"
3. Coated Width (xx.xx) -> cell "I9"
4. Support Width (xx.xx) -> cell "I10"

Support Type:
Coated Width: 4.50 inches
Support Width: 5.00 inches

Solution Identity: **20**

ENTER THE FOLLOWING DATA TO PERFORM GMS/FT2 CALCULATIONS:
1. Total weight of each chemical.
2. % Solids (xx.xxx) of each chemical; Dry chems=100 unless known.
3. Chemical Identification (EK/RMI # if possible) entered as a label.
4. Enter dry coverage in cell "G37"

Total Weight	% Solids	Item #	Chemical Identification	Wet Weight	Dry Weight	Total Weight	Wet g/ft2	Dry g/ft2	Total g/ft2
48.80	10.00	-1-	Z-320	43.920	4.880	48.800	1.321	146.782	148.103
0.00	0.00	-2-		0.000	0.000	0.000	0.000	0.000	0.000
49.00	0.00	-3-	Water	49.000	0.000	49.000	1.474	0.000	1.474
1.70	5.00	-4-	APG325	1.615	0.085	1.700	0.049	2.557	2.605
0.22	10.00	-5-	Olin 10G	0.198	0.022	0.220	0.006	0.662	0.668
0.00	0.00	-6-		0.000	0.000	0.000	0.000	0.000	0.000
99.720				94.733	4.987	99.720	2.849	150.000	152.849

The calculated dry weight of the batch is: 4.99 Gms.

ENTER THE VA OF THE SOLUTION->
ENTER SPECIFIC GRAVITY OF THE SOLUTION->   1.005

The calculated solids of this batch is: 5.00% -> 2.5 %

ENTER THE DRY COVERAGE IF THE
SOLUTION IS NOT COATED TO A "VA"->   0.150 g/ft2

COATED FOOTAGE: 800.00 ft

TOTAL SOLUTION NEEDED: 1349.73 g

CERomano F
Shiela A. Sadler 11-21-01

Example 2

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FORMULA CONVERSION PROGRAM - G/FT2

ENTER THE FOLLOWING REQUIRED MASTER DATA INFORMATION:
    1.  Solution Identity -> cell "D11"
    3.  Coated Width (xx.xx) -> cell "I9"
    4.  Support Width (xx.xx) -> cell "I10"

                                                 Support Type:
                                                  Coated Width:        4.50  inches
                                                  Support Width:       5.00  inches

    Solution Identity:    18

ENTER THE FOLLOWING DATA TO PERFORM GMS/FT2 CALCULATIONS:
    1.  Total weight of each chemical.
    2.  % Solids (xx.xxx) of each chemical; Dry chems=100 unless known.
    3.  Chemical Identification (EK/RMI # if possible) entered as a label.
    4.  Enter dry coverage in cell "G37"
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Total Weight	% Solids	Item #	Chemical Identification	Wet Weight	Dry Weight	Total Weight	Wet g/ft2	Dry g/ft2	Total g/ft2
48.80	10.00	-1-	Z-210	43.920	4.880	48.800	1.321	146.782	148.103
0.00	0.00	-2-		0.000	0.000	0.000	0.000	0.000	0.000
49.00	0.00	-3-	Water	49.000	0.000	49.000	1.474	0.000	1.474
1.70	5.00	-4-	APG325	1.615	0.085	1.700	0.049	2.557	2.605
0.22	10.00	-5-	Olin 10G	0.198	0.022	0.220	0.006	0.662	0.668
0.00	0.00	-6-		0.000	0.000	0.000	0.000	0.000	0.000
------				------	------	------	------	-------	-------
99.720				94.733	4.987	99.720	2.849	150.000	152.849
======				======	======	======	======	=======	=======

```
    The calculated dry weight of the batch is:    4.99   Gms.

    ENTER THE VA OF THE SOLUTION->
    ENTER SPECIFIC GRAVITY OF THE SOLUTION->        1.005

    The calculated solids of this batch is:        5.00%  ----> 2.5 %

    ENTER THE DRY COVERAGE IF THE
    SOLUTION IS NOT COATED TO A "VA"->              0.150   g/ft2

    COATED FOOTAGE:                               800.00    ft

    TOTAL SOLUTION NEEDED:                        1349.73   g
```

Sheila A. Sadler 11-21-01

Example 3

FORMULA CONVERSION PROGRAM - G/FT2

ENTER THE FOLLOWING REQUIRED MASTER DATA INFORMATION:
1. Solution Identity -> cell "D11"
3. Coated Width (xx.xx) -> cell "I9"
4. Support Width (xx.xx) -> cell "I10"

fm 8-8-01

Support Type:
                                Coated Width: 4.50 inches
                                Support Width: 5.00 inches

Solution Identity: 14

ENTER THE FOLLOWING DATA TO PERFORM GMS/FT2 CALCULATIONS:
1. Total weight of each chemical.
2. % Solids (xx.xxx) of each chemical; Dry chems=100 unless known.
3. Chemical Identification (EK/RMI # if possible) entered as a label.
4. Enter dry coverage in cell "G37"

Total Weight	% Solids	Item #	Chemical Identification	Wet Weight	Dry Weight	Total Weight	Wet g/ft2	Dry g/ft2	Total g/ft2
37.50	10.00	-1-	Z-210	33.750	3.750	37.500	0.989	109.928	110.917
3.60	35.00	-2-	Witcobond 253	2.340	1.260	3.600	0.069	36.936	37.004
59.40	0.00	-3-	Water	59.400	0.000	59.400	1.741	0.000	1.741
1.70	5.00	-4-	APG325	1.615	0.085	1.700	0.047	2.492	2.539
0.22	10.00	-5-	Olin 10G	0.198	0.022	0.220	0.006	0.645	0.651
0.00	0.00	-6-		0.000	0.000	0.000	0.000	0.000	0.000
102.420				97.303	5.117	102.420	2.852	150.000	152.852

The calculated dry weight of the batch is: 5.12   Gms.

ENTER THE VA OF THE SOLUTION->
ENTER SPECIFIC GRAVITY OF THE SOLUTION->   1.005

The calculated solids of this batch is: 5.00% → 2.5%

ENTER THE DRY COVERAGE IF THE
SOLUTION IS NOT COATED TO A "VA"->   0.150   g/ft2

COATED FOOTAGE: 800.00   ft

TOTAL SOLUTION NEEDED: 1351.06   g

CZ (signature)

Sheila A. Seeler 11-21-01

Example 4

FORMULA CONVERSION PROGRAM - G/FT2

ENTER THE FOLLOWING REQUIRED MASTER DATA INFORMATION:
1. Solution Identity -> cell "D11"
3. Coated Width (xx.xx) -> cell "I9"
4. Support Width (xx.xx) -> cell "I10"

Support Type:
Coated Width: 4.50 inches
Support Width: 5.00 inches

Solution Identity: 8

ENTER THE FOLLOWING DATA TO PERFORM GMS/FT2 CALCULATIONS:
1. Total weight of each chemical.
2. % Solids (xx.xxx) of each chemical; Dry chems=100 unless known.
3. Chemical Identification (EK/RMI # if possible) entered as a label.
4. Enter dry coverage in cell "G37"

Total Weight	% Solids	Item #	Chemical Identification	Wet Weight	Dry Weight	Total Weight	Wet g/ft2	Dry g/ft2	Total g/ft2
37.50	10.00	-1-	Z-210	33.750	3.750	37.500	0.989	109.928	110.917
4.20	30.00	-2-	Morcyl 132	2.940	1.260	4.200	0.086	36.936	37.022
59.00	0.00	-3-	Water	59.000	0.000	59.000	1.730	0.000	1.730
1.70	5.00	-4-	APG325	1.615	0.085	1.700	0.047	2.492	2.539
0.22	10.00	-5-	Olin 10G	0.198	0.022	0.220	0.006	0.645	0.651
0.00	0.00	-6-		0.000	0.000	0.000	0.000	0.000	0.000
102.620				97.503	5.117	102.620	2.858	150.000	152.858

The calculated dry weight of the batch is: 5.12 Gms.

ENTER THE VA OF THE SOLUTION->
ENTER SPECIFIC GRAVITY OF THE SOLUTION-> 1.005

The calculated solids of this batch is: 4.99% ➞ 2.5 %

ENTER THE DRY COVERAGE IF THE
SOLUTION IS NOT COATED TO A "VA"-> 0.150 g/ft2

COATED FOOTAGE: 800.00 ft

TOTAL SOLUTION NEEDED: 1353.69 g

Sheila A. Sadler (1-21-01)

A   8-8-01 (Interlayer)

← comment written 9-11-01

(10%)
Elvanol 52-22 → 867g

(30%)
Witcobond 232 → 104.1g

Water → 1,729.5g

Active
866.7g   28%
31.23   35%
~40g dry

~2.3% solids

CE Romano
Shiela A. Sadler 11-21-01

ID	.0936-1 RL	IL	OC	Low Melt Gloss (08-08) EK3043 00% CMY	EK3044 20% CMY	ProLustre EK3043 00% CMY	ProLustre EK3044 20% CMY	Low Melt Gloss (08-09) Encad 700 00% CMY	Encad 700 20% CMY
Galaxy				5	4			5	3
Arkwright				3	3				3
Encad QIS				303	211				
Rexam LG									
Rexam Mug-7									
HP Photo									
0947-1	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/POL-4455	162	1	1	2	227	77
0947-2	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/BAeMn	73	117	2	2	656	248
0947-3	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/AeMn	610	566	1	1	863	489
0947-4	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Glascol C44	135	164	2	1	429	177
0947-5	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Glascol RP3	0	0	2	3	372	47
0947-6	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Glascol RP4	0	0	3	2	427	101
0947-7	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Lucidene 243	67	2	4	2	309	42
0947-8	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Morcryl 132	0	0	3	2	381	(283)
0947-9	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/U710	146	95	4	4	224	80
0947-10	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/U410	0	0	4	3	81	36
0947-11	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/AC-2538	3	120	4	2	363	181
0947-12	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/UCX 01-011	171	118	4	4	355	173
0947-13	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/UCX 99-027	126	59	4	4	242	53
0947-14	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Witcobond 253	164	128	3	3	435	(82)
0947-15	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/WD30	0	0	4	3		
0947-16	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/DP6-7133	0	0	2	1		
0947-17	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	DP6-7133	0	0	2	1		
0947-18	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210	285	452			445	(154)
0947-19	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-200	629	671	3	1	333	64
0947-20	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-320	829	480	3	1	620	(383)
0947-21	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	OKS-3431	234	110	3	3	102	62
0947-22	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	OKS-3432	188	172	3	3	127	
0947-23	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Galaxy OC	0	0	3	3		
0947-24	Gel 7869		Z-210/POL-4455	0	0	1	1		
0947-25	Gel 7869		Z-210/POL-4455	0	0	3	1		

Pro Luster (08-09-0   Pro Luster (08-09-0   Low Melt Gloss   Pro Luster

Encad 700   Encad 700   Encad 700   HP 5000   HP 5000   HP 5000   HP 5000

ID	Pro Luster Encad 700 100% CMYK	Pro Luster Encad 700 20% CMYK	Encad 700 100% CMYK	Encad 700 20% CMYK	Low Melt Gloss HP 5000 100% CMYK	Low Melt Gloss HP 5000 20% CMYK	Pro Luster HP 5000 100% CMYK	Pro Luster HP 5000 20% CMYK
Galaxy	286	99	136	29	6	5	0	1
Arkwright			286	99	5	3	0	2
Encad QIS					130	78	3	4
Rexam LG					97	80	3	3
Rexam Mug-7					7	7	0	1
HP Photo					54	228	4	3
0947-1						23	1	0
0947-2								
0947-3			164	used-up	91	128	4	3
0947-4					99	142	4	3
0947-5					19	12	0	4
0947-6					108	49	0	4
0947-7					78	39	2	4
0947-8			474	212	167	11	4	2
0947-9					29	29	1	4
0947-10								
0947-11	4	3	538		17	27	1	2
0947-12					110	91	4	4
0947-13					23	21	0	3
0947-14			>157	77	42	29	1	4
0947-15								
0947-16								
0947-17								
0947-18			154	29	17	18	0	1
0947-19			143 plateau	19	0	11	1	0
0947-20			170	30	0	20	1	0
0947-21					0	40	0	0
0947-22								
0947-23								
0947-24								
0947-25								

Low Melt Gloss (08-08 ProLustre ProLustre Low Melt Gloss (08-09
EK3043   EK3044   EK3043   EK3044   Encad 700   Encad 700
100% CMY 20% CMY 100% CMY 20% CMY 100% CMY 20% CMY

ID	(0936-1 RL	IL	OC	Low Melt Gloss (08-08) EK3043 100% CMY	EK3044 20% CMY	ProLustre EK3043 100% CMY	ProLustre EK3044 20% CMY	Low Melt Gloss (08-09) Encad 700 100% CMY	Encad 700 20% CMY
Galaxy				5	4			5	3
Arkwright				3	3				
Encad QIS				303	211				
Rexam LG									
Rexam Mug-7									
HP Photo									
0947-1	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/POL-4455	162	1	1	2	227	77
0947-2	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/BAeMn	73	117	2	2	656	248
0947-3	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/AeMn	610	566	1	1	863	489
0947-4	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Glascol C44	135	164	2	1	429	177
0947-5	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Glascol RP3	0	0	2	3	372	47
0947-6	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Glascol RP4	0	0	3	2	427	101
0947-7	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Lucidene 243	67	2	4	2	309	42
0947-8	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Morcryl 132	0	0	3	2	381	283
0947-9	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/U710	146	95	4	4	224	80
0947-10	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/U410	0	0	4	3	81	36
0947-11	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/AC-2538	3	120	4	2	363	181
0947-12	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/UCX 01-011	171	118	4	4	355	173
0947-13	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/UCX 99-027	126	59	4	4	242	53
0947-14	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/Witcobond 253	164	128	3	3	435	82
0947-15	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/WD30	0	0	4	3		
0947-16	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210/DP6-7133	0	0	2	1		
0947-17	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	DP6-7133	0	0	2	1		
0947-18	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210	285	452			445	154
0947-19	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-200	629	671	3	1	333	64
0947-20	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-320	829	480	3	1	620	385
0947-21	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	OKS-3431	234	110	3	3	102	
0947-22	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	OKS-3432	188	172	3	3	127	62
0947-23	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Galaxy OC	0	0	3	1		
0947-24	Gel 7869		Z-210/POL-4455	0	0	1	1		
0947-25	Gel 7869		Z-210/POL-4455	0	0	3	1		

ID	BL	IL	OC	ProLustre Encad 700 100% CMYK	LMG Encad 700 20% CMYK	LMG Encad 700 100% CMYK	LMG Encad 700 20% CMYK Nov 9th data	LMG Encad 700 100% CMYK Nov 9th data	LMG Encad 700 20% CMYK Nov 9th da
HP Photo									
0927-1	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Galaxy OC	230	77	38	>>	32	322
0927-2	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Alcotex 864			215		34	
0927-3	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	QP300			-	0		(12)
0927-4	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	K100			-	0		(32)
0927-5	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	A15			-	0		(37)
0927-6	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	F4M			-			
0927-7	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	CMC			-	3		(18)
0927-8	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Airvam			-		-	
0927-9	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	K35LV			-			
0927-10	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Aquazol 5			-			
0927-11	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Aquazol 50			27			
0927-12	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Aquazol 200	114	157	296		10	
0927-13	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Aquazol 500	327?	170	276	170*	22	166
0927-14	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	AH-17			-			
0927-15	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	AH-26			-			
0927-16	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	GH-23			-	368		(52)
0927-17	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	GL-05			-			
0927-18	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	K-210			-			
0927-19	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	KH-17			-			
0927-20	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	KH-20			-			
0927-21	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	KP-06			-			
0927-22	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	KP-08			-			
0927-23	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z320	93		1151		591	
0927-24	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	N-300			-			
0927-25	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	T-215			-			
0927-26	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	WO320	47		-	572	-	(50)
0927-27	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-100	221		207		87	
0927-28	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Z-210	68		1248		281	
0927-29	Gel 7869	Elvanol 52-22/Wcb 232 (77/23)	Alcotex 552P	x	x	x	x	x	x

| Pro Luster (08-09-0) Encad 700 | | | Low Melt Gloss HP 5000 | | | Pro Luster HP 5000 | | | ID |
100% CMY	20% CMY	100% CMY	100% CMY	20% CMY	100% CMY	20% CMY	100% CMY	CMYI	
286	136	29	6	5			0	1	Galaxy
99	286	99	5	3			0	2	Arkwright
			130	78			3	4	Encad QIS
			97	80			3	3	Rexam LG
			7	7			0	1	Rexam Mug-7
			54	228			4	3	HP Photo
				223			1	0	0947-1
			91						0947-2
	164	used up	99	128			4	3	0947-3
			19	142			4	3	0947-4
			108	12			0	4	0947-5
			78	49			0	4	0947-6
			167	39			2	4	0947-7
	474	212	29	101			4	2	0947-8
				29			1	4	0947-9
			17						0947-10
4	538		110	27			1	2	0947-11
			23	91			4	4	0947-12
	157	77	42	21			0	3	0947-13
				29			1	4	0947-14
									0947-15
									0947-16
									0947-17
	154	29	17	18			0	1	0947-18
	143 plateau	19	0	11			1	0	0947-19
	170	30	0	20			1	0	0947-20
			0	40			0	0	0947-21
									0947-22
									0947-23
									0947-24
									0947-25

ata

ID	Pro Luster		Low Melt Gloss			Pro Luster		Jet Gloss	
	Mutoh	Mutoh	Mutoh	Mutoh	Mutoh	HP 5000	HP 5000	HP 5000	HP 5000
	100% CMY	20% CMY	100% CMY	20% CMY	100% CMY	100% CMY	20% CMY	100% CMY	20% CMYK
HP Photo									
0927-1	244	213	39	39	37	148	127	125	38
0927-2						300	226	25	94
0927-3						82	35	75	68
0927-4									
0927-5									
0927-6									
0927-7									
0927-8			-	-					
0927-9									
0927-10			-	-					
0927-11									
0927-12	236	170	198	198	100	49	11	10	5
0927-13	193	136	241	241	237	171	23	20	9
0927-14									
0927-15									
0927-16									
0927-17									
0927-18									
0927-19									
0927-20									
0927-21									
0927-22									
0927-23	168	137	445	445	356	64	33	13	-
0927-24									
0927-25									
0927-26	139	94	-	-	6				
0927-27	515	321	322	322	150	186	118	17	28
0927-28	133	196	489	489	457	72	43	11	11
0927-29									

Attachment D-1
USSN 10/068,824

Example	Surfactant	Immediately After Laminating Peel Force (lbs/inch)	30 Hrs After Laminating Peel Force (lbs/inch)	66 Hrs After Laminating Peel Force (lbs/inch)	Coating Quality
Example 1	Yes	0.535	1.876	3.433	Good
Example 2	Yes	0.687	2.568	Paper Split	Fair/Good
Example 3	Yes	0.425	2.569	4.274	Good
Example 4	Yes	0.652	1.479	Paper Split	Fair/Good
Control Example 1	Yes	0.061	0.062	0.060	Good
Control Example 2	Yes	0.059	0.050	0.086	Good
Control Example 3	Yes	0.073	0.187	0.093	Fair/Good
Control Example 4	Yes	0.040	0.039	0.069	Very Poor
Control Example 5	Yes	0.044	0.034	0.037	Good
Control Example 6	Yes	0.025	0.060	0.049	Good
Example 5	No	1.265	3.199	Paper Split	Fair/Good
Example 6	No	0.120	0.370	0.999	Fair
Example 7	No	0.168	0.641	Paper Split	Poor
Example 8	No	0.088	0.993	Paper Split	Fair/Good
Control Example 7	No	0.010	0.041	0.037	Poor
Control Example 8	No	0.128	0.035	0.170	Poor
Control Example 9	No	0.098	0.038	0.059	Very Poor
Control Example 10	No	0.016	0.024	.0028	Very Poor
Control Example 11	No	0.010	0.014	0.025	Fair/Good
Control Example 12	No	0.008	0.011	0.015	Good

Charles E Romano Jr 2-24-05
Ken Mosleby 2-24-05

Attachment D-3
USSN 10/068,824

SC5- 4254

Conditions	DB	DP	Slide 3	Slide 2	Slide 1	Pres	Ft
Setting Sect.	44	30				0.3	39
Dryer No. Short	140	20				1	32
Dryer No. 2	100	50				2	38
			Melt #	Melt #	Melt #		

Originator	C Romano/ K Maskasky	Support: RC Paper F-surface CDT
UserID	L125610 / L594389	Date: 02/18/05
Phone	x23004 / x77880	Coated by:
Pager	x50938	
Prob.#	annual chg # has been provided	

Part ID	Slide 1 Melt #	Slide 2 Melt #	Slide 3 Melt #	Pres % solids	Ft ml/ft2	1/2 Pumps BL=#1 PUMP	Ctg. Spd. ft/min	Coating Description	Laydown (mg/ft2)	Linear Feet	Notes	Part ID
1			OC-01	2.0%	5.0	101.0	18	Z-320 PVA + Surfactants	100			1
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 1	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
2			OC-02	2.0%	5.0	101.0	18	w244/ Z-210 PVA + Surfactants	100			2
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 2	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
3			OC-03	2.0%	5.0	101.0	18	Z-210 PVA / W253 + Surfactants	100			3
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 3	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
4			OC-04	2.0%	5.0	101.0	18	Z-210 PVA/Morcryl 132 + Surfactants	100			4
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 4	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
5			OC-05	2.0%	5.0	101.0	18	HEC Qp300 + Surfactants	100		Control	5
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 1	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
6			OC-06	2.0%	5.0	101.0	18	K100LV + Surfactants	100		Control	6
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 3	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
7			OC-07	2.0%	5.0	101.0	18	A15 LV + Surfactants	100		Control	7
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 3	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
8			OC-08	2.0%	5.0	101.0	18	Carbose LT-30 + Surfactants	100		Control	8
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 4	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			

Charles E Romano Jr 2-17-05

SC5- 4254

Conditions	Setting Sect.	Dryer No. Short	Dryer No. 2
DB	44	140	100
DP	30	20	50
Pres	0.3	1	2
Ft	39	32	38

Originator	
UserID	L125610 / L594389
Phone	x23004 / x77880
Pager	x50938
Prob.#	annual chg # has been provided

C Romano/ K Maskasky

Support:	RC Paper F-surface CDT
Date:	02/18/05
Coated by:	

Part ID	Slide 1 Melt #	Slide 2 Melt #	Slide 3 Melt #	Pres % solids	Ft ml/ft2	1/2 Pumps BL=#1 PUMP	Ctg. Spd. ft/min	Coating Description	Laydown (mg/ft2)	Linear Feet	Notes	Part ID
9			OC-09	2.0%	5.0	101.0	18	GH-23 + surfactants	100		Control	9
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 5	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
10			OC-10	2.0%	5.0	101.0	18	WO-320 + Surfactants	100		Control	10
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 6	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
11			OC-11	2.0%	5.0	101.0	18	Z-320 PVA (no surfactant)	100			11
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 5	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
12			OC-12	2.0%	5.0	101.0	18	Z-210 PVA (no Surfactant) W244 /	100			12
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 6	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
13			OC-13	2.0%	5.0	101.0	18	Z-210 PVA / W253 (no surfactant)	100			13
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 7	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
14			OC-14	2.0%	5.0	101.0	18	Z-210 PVA/Morcryl132 (no surfactant)	100			14
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 8	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
15			OC15	2.0%	5.0	101.0	18	HEC Qp300 (no surfactant)	100		Control	15
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 7	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
16			OC-16	2.0%	5.0	101.0	18	K100LV (no surfacatant)	100		Control	16
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 8	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
17			OC-17	2.0%	5.0	101.0	18	A15 LV (no surfactant)	100		Control	17
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 9	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
18			OC-18	2.0%	5.0	101.0	18	Carbose LT-30 (no surfactant)	100		Control	18
		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example 10	
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			

Charles E Romano Jr 2-17-05

SC5- 4254

					Originator	C Romano/ K Maskasky		Support:	RC Paper F-surface CDT
Conditions	DB	DP	Pres	Ft	UserID	L125610 / L594389		Date:	02/18/05
Setting Sect.	44	30	0.3	39	Phone	x23004 / x77880		Coated by:	
Dryer No. Short	140	20	1	32	Pager	x50938			
Dryer No. 2	100	50	2	38	Prob.#	annual chg # has been provided			

Part ID	Slide 1 Melt #	Slide 2 Melt #	Slide 3 Melt #	% solids	ml/ft2	1/2 Pumps BL=#1 PUMP	Ctg. Spd. ft/min	Coating Description	Laydown (mg/ft2)	Linear Feet	Notes	Part ID
			OC-19	2.0%	5.0	101.0	18	GH-23 (no surfactant)	100		Control	
19		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example II	19
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			
			OC-20	2.0%	5.0	101.0	18	WO-320 (no surfactant)	100		Control	
20		IL-01		5.0%	3.0	60.6	18	Elv 52-22 / W232 (77/23)	150	25	Example II	20
	BL-01			10.0%	8.5	85.8	18	7869 Succinylated Pigskin Gelatin	850			

Toxic melts :	none		Instructions: #1 pump BL; Short thread up, CDT, Melts & hoppers 105°F	Finish:	rolls

Charles E Romano 2-17-05